

# EasySculpt® - Premium Epoxy Sculpting Clay, Amazing Results!

**Professional results are easy to achieve with EasySculpt®!** EasySculpt® is a blend of premium epoxy resins and clay powders resulting in a smooth porcelain like surface that will not shrink when cured. This advanced formula is easy to mix, has a long working time and cures to a hard, durable and impact resistant product. EasySculpt® has excellent adhesive qualities and will bond to most clean surfaces including glass, metal, wood, etc. Once cured, EasySculpt® is waterproof, heat and chemical resistant. EasySculpt® can be pigmented with acrylic or oil based artist paints and powders while in its uncured form or painted when cured. EasySculpt® cures to a soft cure in 5 hours and full cure in approximately 24 hours depending on curing temperature.

## Work Area

1. Work area should be dry and free of dirt or dust.
2. Room temperature should be between 70°F / 21°C and 75°F / 24°C.
3. Work surface should be protected with wax paper or plastic sheet.

## Tools

1. Latex or vinyl gloves.
2. Talc/baby powder, olive or vegetable oil - release agents for gloves, tools, molds and work surfaces.

**Ideal Working Temperature:** EasySculpt® performs best at temperatures between 70°F / 21°C and 75°F / 24°C. Both "A" and "B" components should feel slightly warm to the touch, if cool, stiff or hard, the clay can be warmed and softened by placing it in a sealed plastic bag. Place the bag into warm tap water for 5 to 10 minutes, longer if necessary.

## WORKING / SET TIMES

The following chart is based on a quarter pound of mixed clay, these are approximate set times, which will vary depending on temperature of your work area. Larger batches will react faster than smaller batches. Warmer temperatures will result in faster cure times. Cooler temperatures will result in slower cure times. Once A & B components have been thoroughly blended, you have up to 2 hours working time at 70°F / 21°C. During this time, the clay will range from soft/sticky, soft/pliable, firm, stiff and finally hard. As it cures during this time period, EasySculpt® becomes less sticky and easier to handle and shape. Refer to the following chart as a guide for when to use the clay on your project.

- 1 to 45 minutes - sticky, ideal as an adhesive, pressing into molds.
- 45 to 75 minutes - sticky, soft and pliable
- 75 to 90 minutes - slightly sticky, pliable, becoming firm
- 90 to 120 minutes - firm, stiff, holds some detail
- 120 to 150 minutes - very firm, fine detail, sharp sculpting tools required.

Soft cure, within 5 hours of mixing, the clay will reach a soft but firm cure and trim easily. After 24 hours you may need to use fine sandpaper to remove excess material and shape. EasySculpt® is fully cured in 24 hours.

## INSTRUCTIONS

**1. Measure:** Visually measure equal amounts of "A" and "B" components, this can be done by forming the clay into balls of equal size.



**2. Mix:** Press, fold and blend the two balls until there is a uniform color with no ribbons or marbling. *Note for ease of mixing, place hard material in a sealed plastic bag, and place in warm (not hot) water for 5 to 10 minutes.*



**3. Shape:** Form the clay as required. Refer to the above Working/Set time chart for varying applications. *Dust pieces with talc helps prevent them from sticking to other surfaces. Add talc to clay to create a stiffer, more rigid medium.*



## Cut, Shape & Position

EasySculpt® even after it has become quite firm can still be cut, shaped and manipulated. You can use this to your advantage by creating basic forms and continuing to pose your pieces as they firm up. You can even change the expression of a sculpted face, position of arms, fingers, etc., after you have formed the features in a manner not possible with traditional clays. The warmth of your hands will soften curing EasySculpt®, allowing you to manipulate it. Trim pieces while the clay is firm to hard but not cured. Cured pieces can be filed, sanded and drilled.

## Sculpting

EasySculpt® remains flexible until fully cured. When forming large components it is important to support your sculptures, as they will continue to move even after the product may seem too stiff to effectively model. Internal wire armatures, external scaffolding or props should be employed, dust them with baby powder if you wish to remove them later. It may be of value to form individual components and combine them after they have cured or semi-cured with freshly mixed EasySculpt®. Creating large sections first, then waiting to add smaller details later is often beneficial.



Skin diver and kelp formed separately with wire armatures. Cured pieces then assembled on reef.



Mold made with EasyMold Silicone Rubber



EasySculpt® Casting from above mold

## Molding EasySculpt®

EasySculpt® can be pressed into any number of push type molds, which can be found in the polymer clay section at your local craft store. You can also create your own molds with EasyMold® Silicone Putty or Silicone Rubber also available at your local craft store. For best results, begin working from the deepest part of the mold. Press EasySculpt® into detailed areas first to displace air pockets. Note, small voids in cast pieces can be filled once the cast piece is removed. Allow clay to set 5 hours minimum before removing.

## Clean Up

Use warm water and liquid soap to remove from skin. NEVER USE SOLVENTS. Tools: While liquid, clay residue can be cleaned from tools with paper towels moistened with rubbing alcohol, olive or vegetable oil. Once cured, sand or scrape material from tools.

## Using EasySculpt® as an Adhesive

EasySculpt® works great as an adhesive and will bond glass, metal, ceramic, painted surfaces, stone and wood. Surfaces must be clean for good adhesion. EasySculpt® can also be used as a permanent wood or metal filler. Do not use release agents on your gloves, tools or clay during this process. Ideally, you want the clay to be tacky for good adhesion. Blend clay together as you would normally until it becomes sticky, then apply as required. Due to the 2 hour working time of this product, you may need to tape or secure the pieces together while the clay cures.

## Release Agent - Gloves, Tools and Molds

EasySculpt® can be slightly sticky at times and may stick to your gloves, tools, molds, etc. To eliminate this issue, dust your gloves, tools, etc., with talc/baby powder or apply a thin film of olive or vegetable oil.

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## PROFESSIONAL TIPS AND IDEAS.

### Embedding Stones, Glass Chips, Shells, etc.

There are any number of objects that can be added to the clay to create an endless array of patterns and textures. With your finger tip, slightly press the objects into the clay as required.

### Adding Paints, Dyes and Powders

At times you may want to add color to your EasySculpt® clay. You can do this by simply adding acrylic or oil based artist paints, liquid pigments, pigment powders, metallic powders, etc. Measure and mix your clay as required for the project, then add the desired pigment, paint, powder, etc. Add the paint or pigment sparingly until you've achieved the desired color and intensity. Be careful, adding too much can affect the final hardness of the clay, resulting in a softer cure. Note: Always test for compatibility before using on your final project. Castin'Craft® Opaque pigments and Transparent Dyes can be added to EasySculpt®. Important: Always mix "A" & "B" components together thoroughly before adding colors. This is necessary to ensure a proper chemical reaction between "A" and "B" components.

### Pigment Powders - Dry application

At times you may want to apply dry pigment powders to EasySculpt®. These powders can be applied with a soft bristle brush and will adhere nicely to a slightly sticky uncured clay surface. Once the clay has cured, wipe or rub surface with a soft cloth to remove excess material. A little experimenting with applying powders at different levels of cure will help you achieve a variety of effects.

### Designs with Rubber Stamps

EasySculpt® can be imprinted with designs from rubber stamps the same as polymer clays. To keep your rubber stamp from sticking to the clay, apply a light dusting of talc/baby powder to the clay prior to rubber stamping or a thin coat of olive or vegetable oil applied to the rubber stamp with a cotton swab. Excess baby powder or oil can be removed from the clay with a damp cloth. Once finished creating designs, remove any residue from the stamp with warm soapy water, then dry.

### Image Transfer - Ink Jet Printer

To transfer images printed on an ink-jet printer use T-shirt Transfer Paper from your local office supply or craft store. Using your photo or graphics computer program, adjust the size of the image to fit the area required for your project. Next, flip the image horizontally (some printers allow you to do this in their print settings). This will reverse the picture when printed, but will appear correct when transferred. Set your printer settings to its best print setting and paper to photo, specialty or transfer paper. Print image, then trim excess around image as required. Next, prepare the clay by blending equal amounts of both components. **Do not use talc/baby powder or oil as a release agent on your gloves or clay during this process.** With gloves on, work the clay until it becomes warm and sticky. For this process to work correctly, it is important for the clay to be sticky so that it adheres to your printed image. Roll out or form the clay slightly larger than your print. You may need to change your gloves at this point. Keep the thickness to roughly 1/8", some larger projects may require thicker pieces. Lay the print face side up on a hard flat surface, then press the clay onto your print evenly and work out all air bubbles. Leave the clay/print undisturbed for 8 to 12 hours. Once set, peel the transfer paper backing from the clay to reveal your transferred image. Coat with EnviroTex Lite® for a deep glass like protective finish. *Note, we highly recommend a couple of practice pieces to perfect this technique.*

### Image Transfer - Laser Jet

Follow above steps until the clay/print has cured 8 to 12 hours. To remove paper backing, soak clay/paper piece in warm water for 10 to 15 minutes or until paper is transparent. Then, carefully rub the wet paper away from the surface with your fingers leaving only the image. *We highly recommend a couple of practice pieces to perfect this technique.*

### Surface Textures

The fine porcelain like texture of the clay allows you to create highly detailed surface textures. You can texture the clay with any number of found objects such as leaves, straw, bark, stone, weathered wood, sea shells, etc. In addition, you can use fabric such as lace, textured plates, textured papers, wire or plastic screen, press molds, rubber stamps and more. Most of these items can be purchased at your local craft store. Prior to applying texture, form or shape the clay as required, then apply a very thin coat of talc/baby powder or olive/vegetable oil to the textured surface. The talc/baby powder or oil will act as a release agent. Experimenting with this texture process will help you achieve your desired results.

## TROUBLE SHOOTING:

**Soft or Sticky cured clay:** Is a result of improper mixing or inaccurate measurements of "A" and "B" components. Soft or sticky material must be removed and the area re-filled with new clay or discarded. *Note: Inadequate measuring and mixing is the most common reason for imperfect results.*

**Resin Clay Component has become very hard:** The resin clay component can become very hard or crystallized if exposed to cool temperatures. This is considered normal and does not affect the outcome of the product. To soften the clay, place the sealed resin clay container in hot tap water for 15 minutes or until the clay becomes soft and pliable, repeat if necessary. Allow the clay to cool to room temperature before using.

### OTHER ETI PRODUCTS TO LOOK FOR:

- EnviroTex Lite® pour-on HIGH GLOSS FINISH.
- Fiber-Lok Non Skid Rug Backing
- Ultra-Seal® Multipurpose Sealer Glue.

### CASTIN'CRAFT® CASTING PRODUCTS:

- EasyCast® Clear Casting Epoxy.
- Opaque Pigments - Red, Yellow, Green, Blue, Brown, Black, White & Pearlescent.
- Transparent Dyes - Red, Yellow, Green, Blue & Amber.
- Mold Builder® latex rubber for making your own molds.
- Mixing Cup Set (includes 6 - 10 oz. plastic graduated measure mixing cups, 6 stir sticks and 3 craft brushes).
- Clear Polyester Casting Resin.
- Mold Release / Conditioner.
- EasyMold® Silicone Putty & Silicone Rubber.

### WARRANTY:

The recommendations given here serve only as a guide. Because of variables of temperature, humidity, types of molds, colorants and embedments, we cannot guarantee results. Our liability is limited to the replacement price of the product.

### HEALTH & SAFETY INFORMATION

Read warnings on A (Resin) and B (Hardener) containers before using.

Conforms to ASTM D-4236



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